

Sub

A composite material comprising:

a) a substrate material comprising:

1) an ABS terpolymer resin present in an amount of from 20 to 75 weight percent based on the total weight of the substrate material;

2) cellulosic material present in an amount of from 25 to 75 weight percent based on the total weight of the substrate material;

b) a capstock material comprising, a weather resistant thermoplastic material,
the capstock material being compatible with the substrate material such that additional
adhesives are not required to bond the substrate with the capstock.

2.

The composite material of Claim 1 wherein the substrate material further includes a polar thermosetting material.

3.

The composite material of Claim 2 wherein the polar thermosetting material is present in an amount of less than 15 weight percent based on the total weight of the substrate material.

4.

The composite material of Claim 2 wherein the polar thermosetting material is selected from the group consisting of: polyurethanes, polyethylenes, and polystyrenes.

[illegible]

5.

The composite material of Claim 1 wherein the cellulosic material is present in an amount of from 35 to 45 weight percent based on the total weight of the substrate material.

6.

The composite material of Claim 1 wherein the cellulosic material is selected from the group consisting of: wood sawdust, seed husks, rice hulls, newspaper, kenaf, coconut shells, bagasse, corn cobs, peanut shells, paper pulp and mixtures thereof.

7.

The composite material of Claim 1 wherein the substrate material further includes PVC.

8.

The composite material of Claim 7 wherein the PVC is present in an amount of less than 15 percent by weight based on the total weight of the substrate material.

9.

The composite material of Claim 1 wherein the capstock material is coextruded with the substrate material to form the composite material.

10.

The composite material of Claim 9 wherein the capstock material comprises PVC.

11.

The composite material of Claim 1 wherein the moisture content of the substrate material at a time of mixing and compounding is less than one percent.

12.

The composite material of Claim 1 wherein the substrate material is bonded with the capstock material in a coextrusion process directly following a mixing and compounding step of the substrate material.

13.

The composite material of Claim 1 wherein the substrate material is processed to form a pellet that is then further utilized in a coextrusion process wherein the capstock material is bonded with the substrate material.

14.

The composite material of Claim 13 wherein the pellet has a moisture content of less than .3 percent when utilized in the coextrusion process.

15.

The composite material of Claim 1 wherein the composite material further includes additives, stabilizers, plasticizers, UV additives, lubricants, and compatibilizers.

[illegible]

a) a substrate material comprising:

- 1) an ABS terpolymer resin present in an amount of from 20 to 75 weight percent based on the total weight of the substrate material;
- 2) cellulosic material present in an amount of from 25 to 75 weight percent based on the total weight of the substrate material;
- 3) a polar thermosetting material present in an amount of from 0.1 to 15 weight percent based on the total weight of the substrate material;

b) a capstock material comprising, a weather resistant thermoplastic material;
the capstock material being compatible with the substrate material such that additional
adhesives are not required to bond the substrate with the capstock.

17.

The composite material of Claim 16 wherein the polar thermosetting material is selected from the group consisting of: polyurethanes, polyethylenes, and polystyrenes.

18.

The composite material of Claim 16 wherein the cellulosic material is present in an amount of from 35 to 45 weight percent based on the total weight of the substrate material.

19.

The composite material of Claim 16 wherein the cellulosic material is selected from the group consisting of: wood sawdust, seed husks, rice hulls, newspaper, kenaf, coconut shells, bagasse, corn cobs, peanut shells, paper pulp and mixtures thereof.

20.

The composite material of Claim 16 wherein the substrate material further includes PVC.

21.

The composite material of Claim 20 wherein the PVC is present in an amount of less than 15 percent by weight based on the total weight of the substrate material.

22.

The composite material of Claim 16 wherein the capstock material is coextruded with the substrate material to form the composite material.

23.

The composite material of Claim 22 wherein the capstock material comprises PVC.

24.

The composite material of Claim 16 wherein the moisture content of the substrate material at a time of mixing and compounding is less than one percent.

25.

The composite material of Claim 16 wherein the substrate material is bonded with the capstock material in a coextrusion process directly following a mixing and compounding step of the substrate material.

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and

26.

The composite material of Claim 16 wherein the substrate material is processed to form a pellet that is then further utilized in a coextrusion process wherein the capstock material is bonded with the substrate material.

27.

The composite material of Claim 26 wherein the pellet has a moisture content of less than .3 percent when utilized in the coextrusion process.

28.

The composite material of Claim 16 wherein the composite material further includes additives, stabilizers, plasticizers, UV additives, lubricants, and compatibilizers.

29.

An extruded article produced by coextruding a composite material, the composite material comprising:

a) a substrate material comprising:

1) an ABS terpolymer resin present in an amount of from 20 to 75 weight percent based on the total weight of the substrate material;

2) cellulosic material present in an amount of from 25 to 75 weight percent based on the total weight of the substrate material;

b) a capstock material comprising, a weather resistant thermoplastic material; the capstock material being compatible with the substrate material such that additional adhesives are not required to bond the substrate with the capstock in the coextrusion process.